

Safety Glazing Standards: 16 CRF CPSC 1201 vs. ANSI 97.1

Standard/Regulation		Safety Glazing Standards: CPSC 16 CFR 1201 and ANSI 97.1-2015 Applicable to Exposed Surface Area of one side of the lite
16 CRF CPSC 1201	Category I 150 lb. - force (100 lb. bag dropped from 18 in. height)	Less or equal to 9FT2 - Storm or Combination doors - Doors - Glazed panels regulated by IBC section 2406.4.2: Glazing in an individual fixed or operable panel adjacent to a door where the nearest vertical edge of the glazing is within a 24 in. arc or either vertical edge of the door in a closed position and where the bottom exposed edge of the glazing is less than 60 in. above the walking surface shall be considered hazardous location (not applicable to lites greater than 9 ft2).
	Category II 400 lb. - force (100 lb. bag dropped from 48 in. height)	Greater than 9FT2 - Doors, storm doors, sliding into patio doors indoor glazing - Sliding patio doors (9 ft. or less) - Doors and enclosures regulated by section 2406.4.5 (9ft. or less) - Glazing in walls, enclosures or fences containing or facing hot tubs, spas, whirlpools, saunas, steam rooms, bathtubs, showers, and in our outdoor swimming pools where the bottom of the exposed edge of the glazing is less than 60 in. measured vertically above any standing or walking surface shall be considered hazardous location. This shall apply to single glazing and all panes in multiple glazing.
ANSI Z97.1-2015	Class B 150 lb. - force (100 lb. bag dropped from 18 in. height)	Less or equal to 9FT2 - Glazed panel regulated by section 2406.4.2* * From the International Building Code (IBC) chapter 24 "Glass and Glazing" section "2406" Safety Glazing".
	Class A 400 Lb. - Force (100 lb. bag dropped from 48 in. height)	Less or equal to 9FT2 - Doors and enclosures regulated by section 2406.5 Greater than 9FT2 - Glazed panels regulated by IBC section 2406.4.2* - Glazed panels regulated by IBC section 2406.4.3* Glazing in an individual fixed or operable panel that meets all of the following shall be considered hazardous location 1) Exposed area or an individual pane is greater than 9FT2 2) Bottom edge of the glazing is less than 18 in. above the floor 3) The top edge of the glazing is greater than 36 in. above the floor 4) One or more walking surface(s) are within 36 in. measured horizontally and in a straight line of the plane of the glazing. - Glazed panels regulated by IBC section 2406.4.5

Safety Glazing Testing per ANSI Z97.1-2015 (CPSC 16 CFR 1201)

	3M™ Scotchshield™ Safety & Security Window Film			3M™ Safety & Security Window Film			
	Ultra S800	Ultra Prestige	Ultra Night Vision	Safety S140	Safety S80	Safety S70 / S70X	Safety S40
Class A (Category II) 400 lbf impact	Pass	Pass	Pass	Pass	Pass		
Class B (Category I) 150 lbf impact	Pass	Pass	Pass	Pass	Pass	Pass	Pass

ANSI = American National Standards Institute CPSC = Consumer Product Safety Commission
 The ANSI Z97.1-2015 impact test rating includes the window film's ability to hold glass fragments when impacted.
 When comparing 3M films to competitive products, be sure to compare results using the 2015 standard.